

# PATENT ABSTRACTS OF JAPAN

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## (54) SOUND FIELD CORRECTING DEVICE

### (57)Abstract:

**PURPOSE:** To adjust acoustic characteristic into a desired characteristic in a short period with high accuracy by measuring the acoustic characteristic of a reproduced sound field and providing a digital equalizer to realize an object characteristic at a listening point and calculating and setting a filter coefficient given to the digital equalizer so as to satisfy the relation of a linearity.

**CONSTITUTION:** The titled device is provided with a measuring signal generator 1 generating a measuring signal to measure the acoustic characteristic of the listening point, an acoustic characteristic measuring device 8 measuring the acoustic characteristic and a control means 10 to set the filter coefficient obtained by an arithmetic means 9 to the digital equalizer 4. That is, the acoustic characteristic of a room is measured by the acoustic characteristic measuring instrument 8 and the linear phase FIR filter is obtained to realize the characteristic being the sum of the correction characteristic based on the transmission frequency wave characteristic obtained by the arithmetic means 9 and an optional characteristic and the obtained filter coefficient is set to the digital equalizer 4.

